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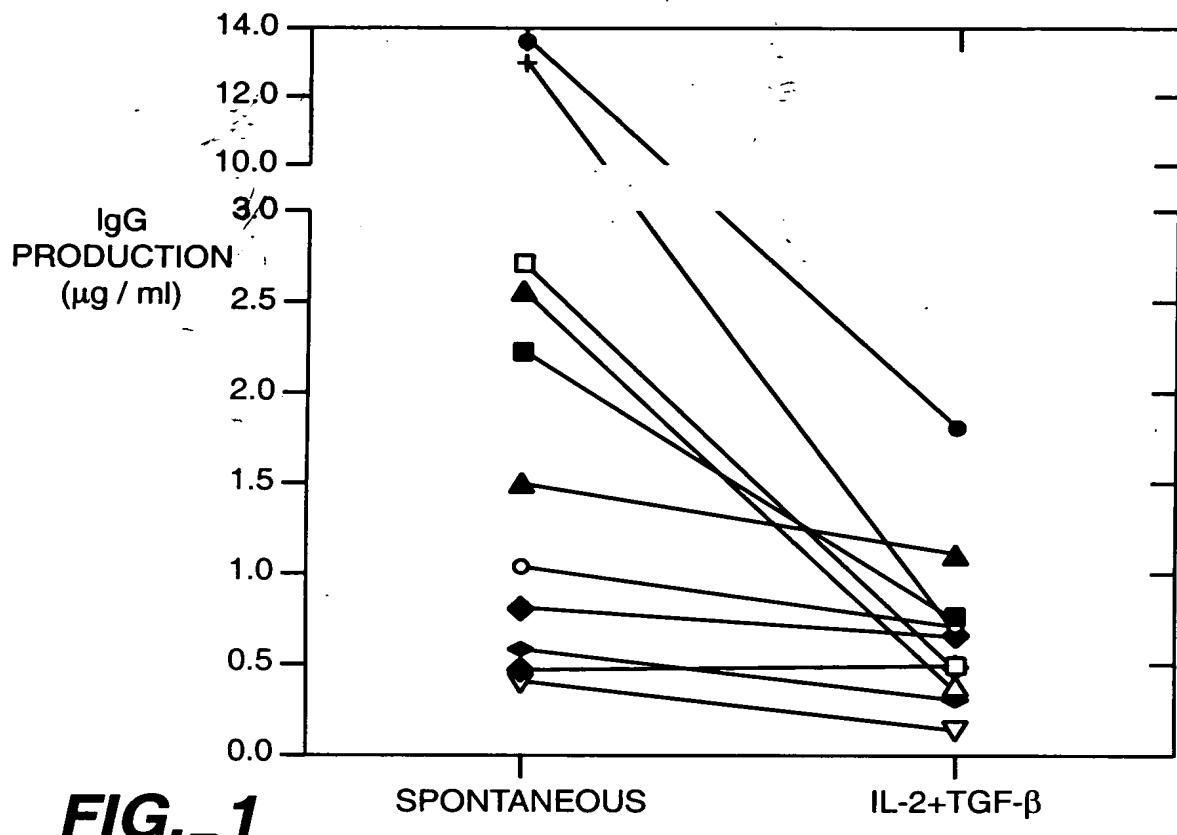


FIG._1

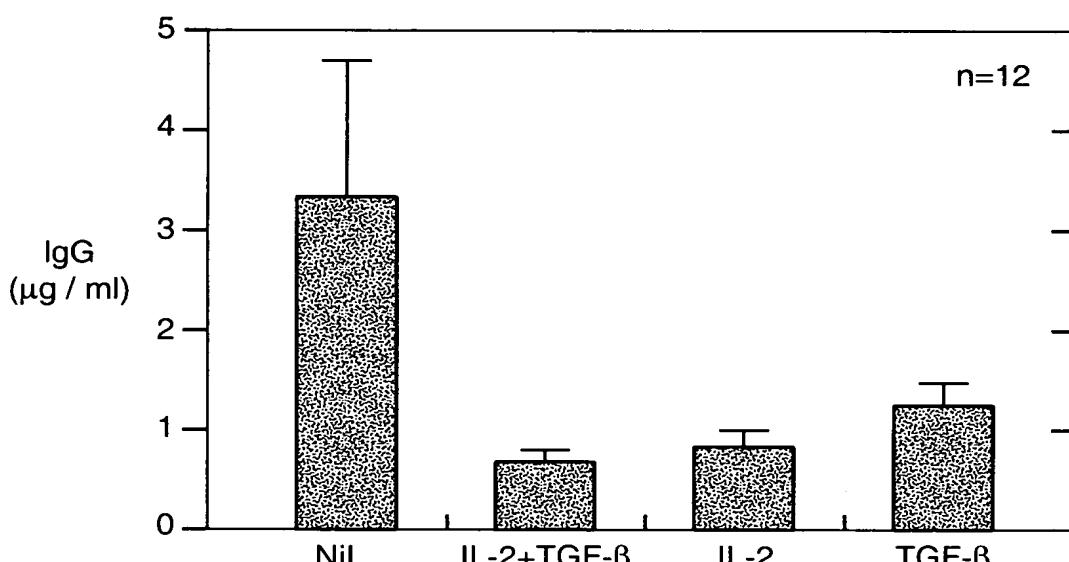


FIG._2

ADDED TO PBMC FOR 72 HOURS

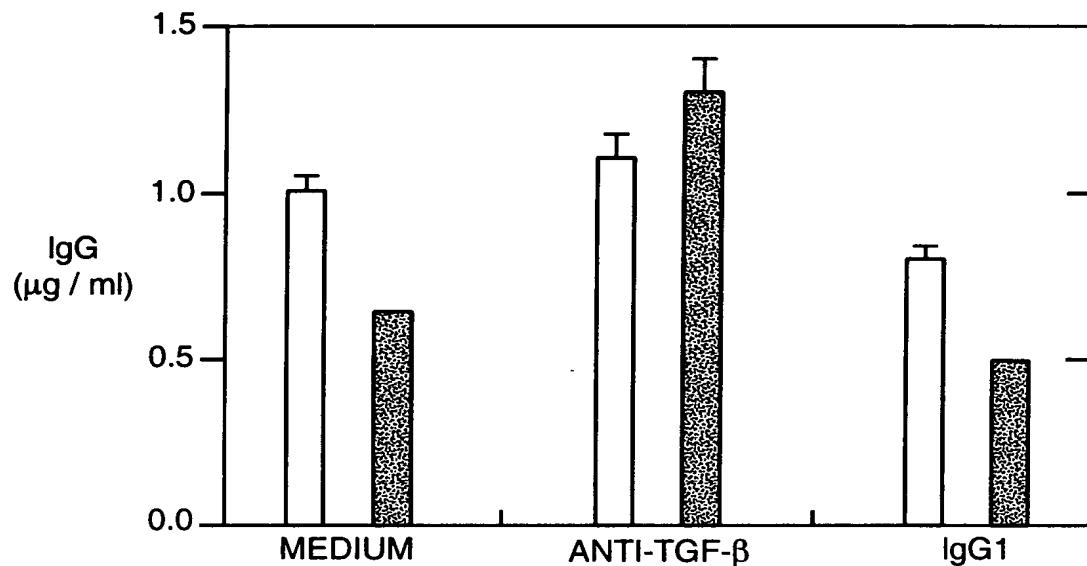


FIG._3A

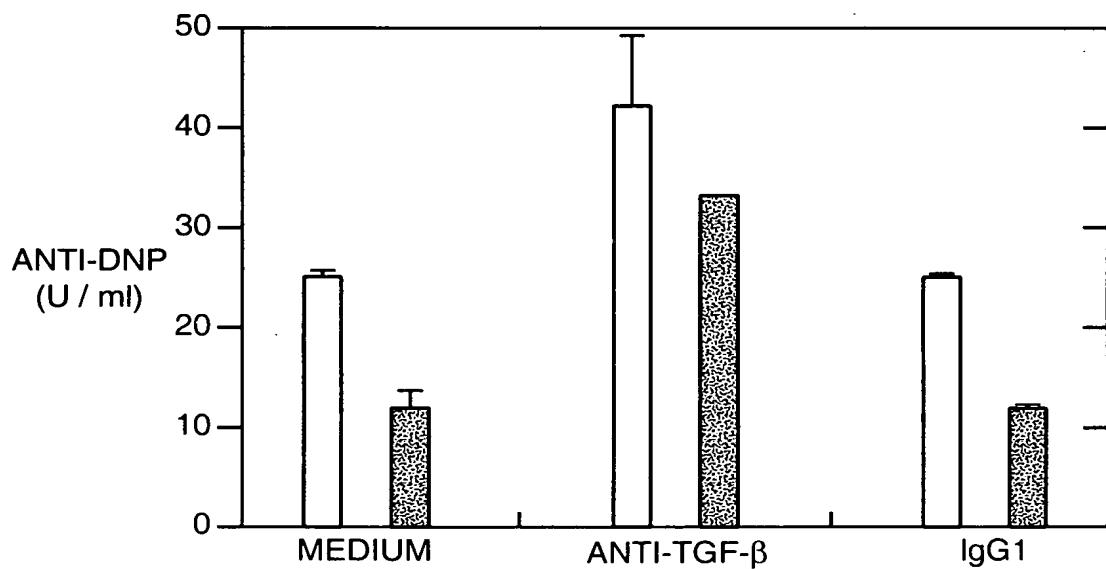


FIG._3B



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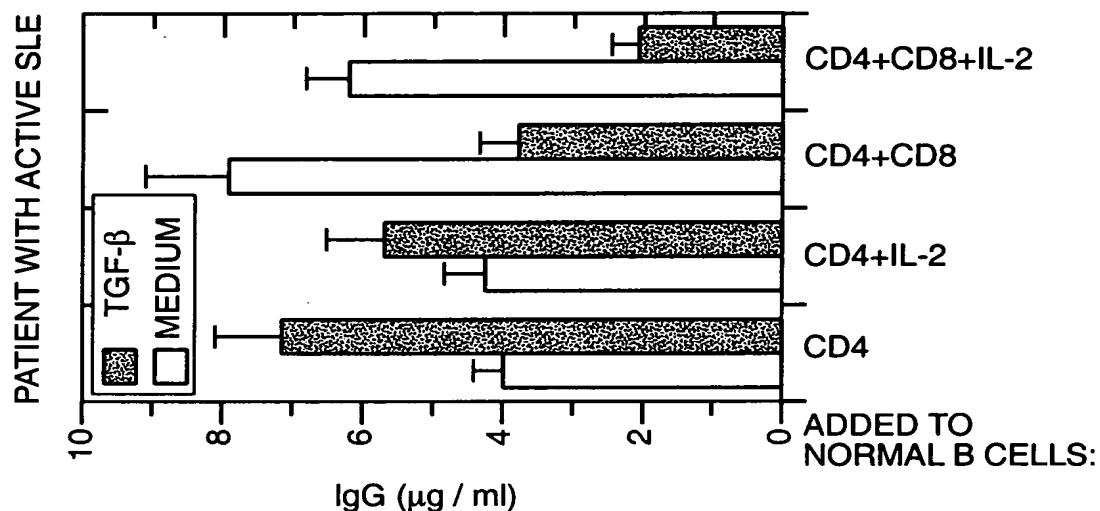


FIG._4C

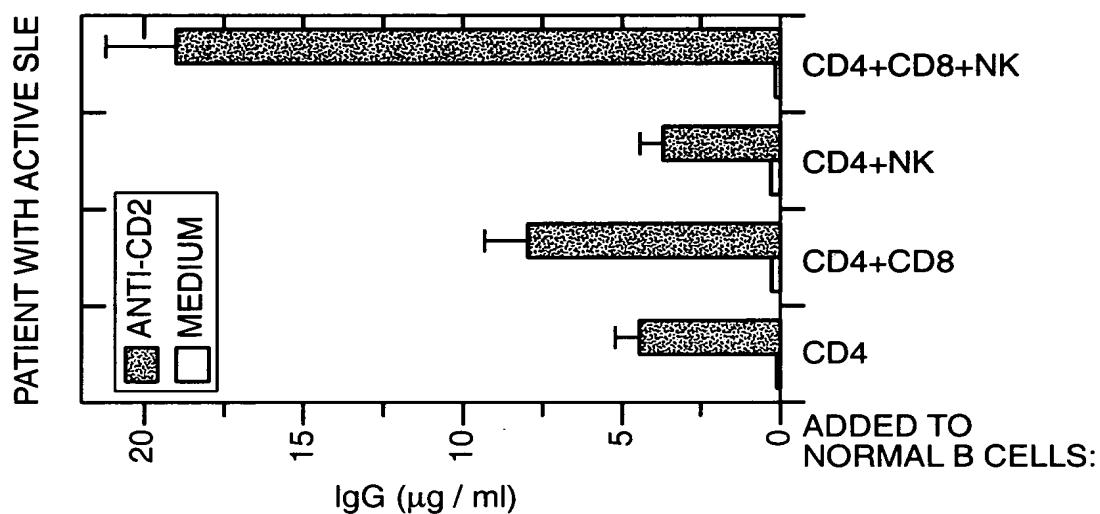


FIG._4B

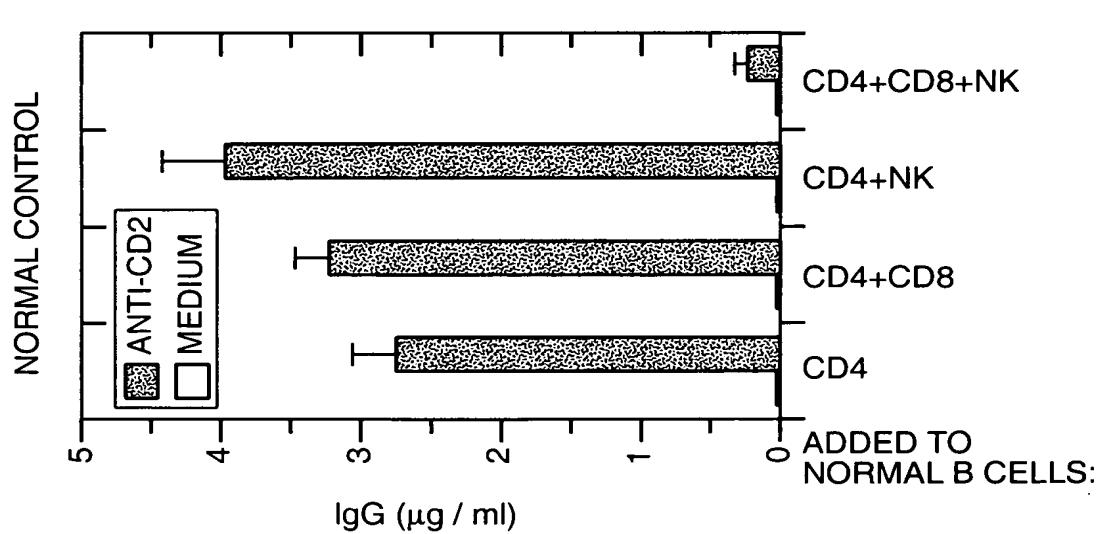
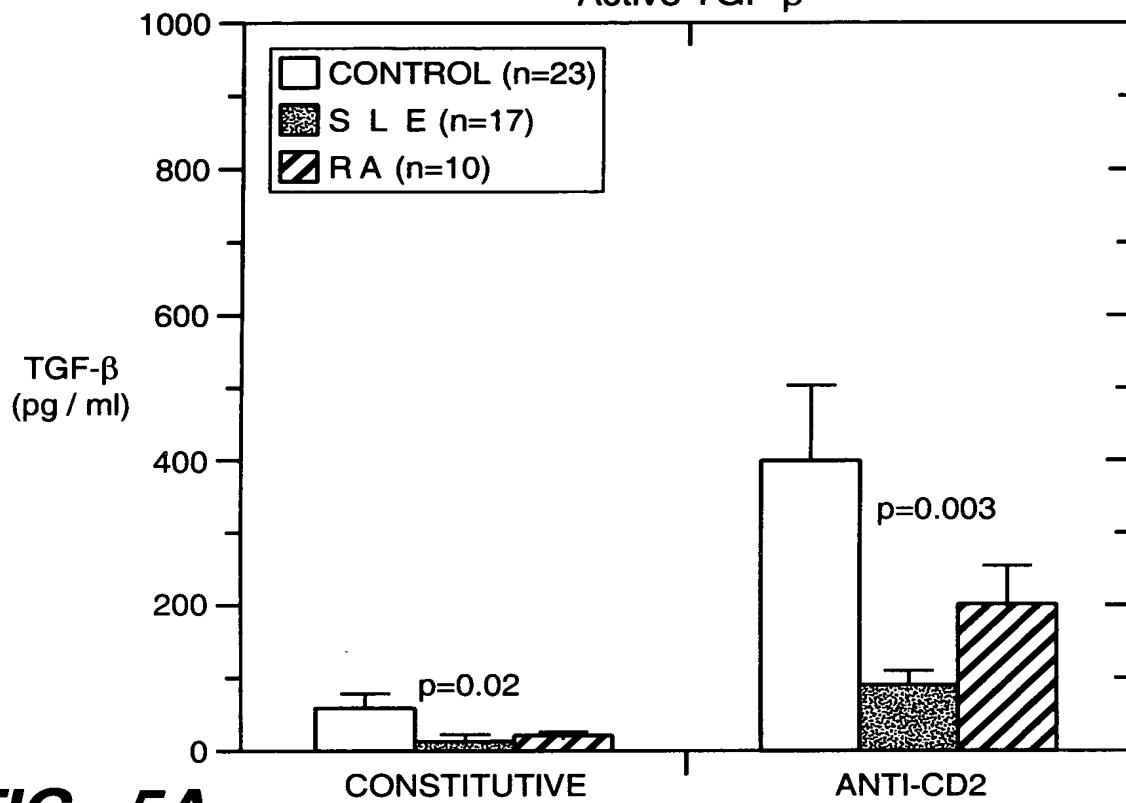
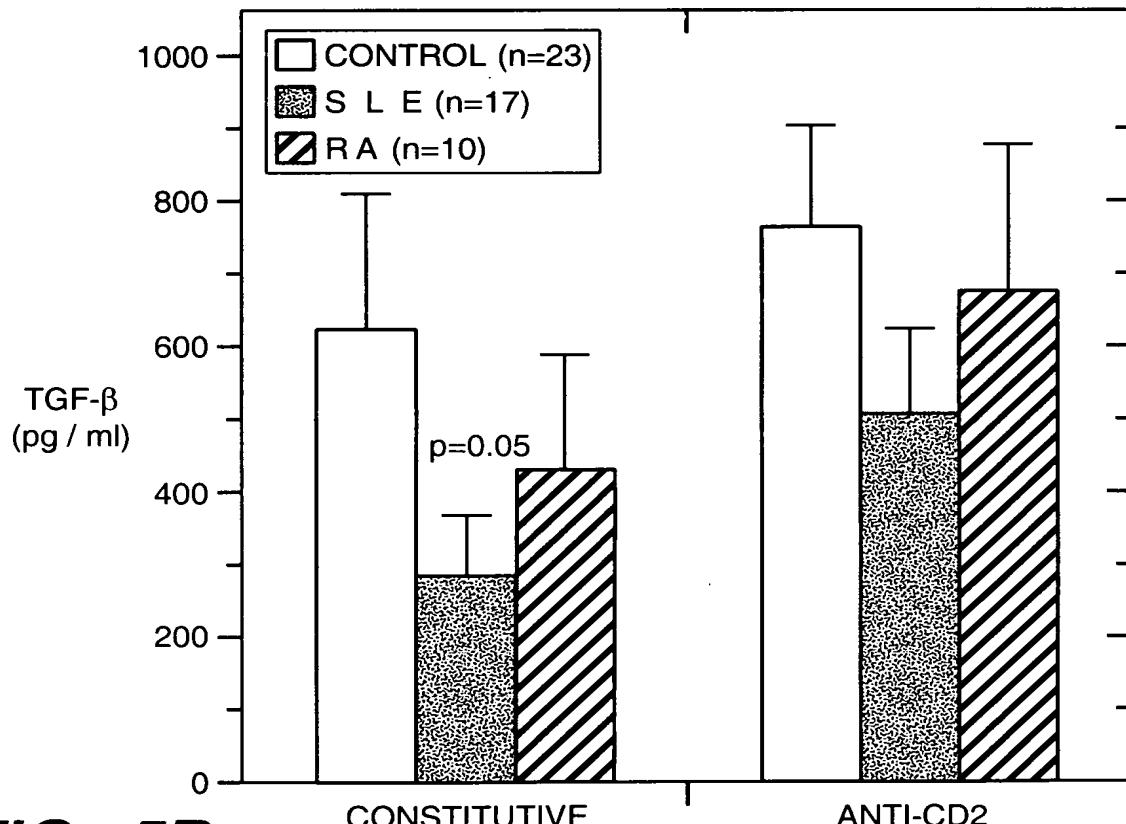


FIG._4A



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Active TGF- β **FIG._5A**Total TGF- β **FIG._5B**



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TGF- β has opposing effects on
T cell production of TNF- α and IL-10

TNF- α

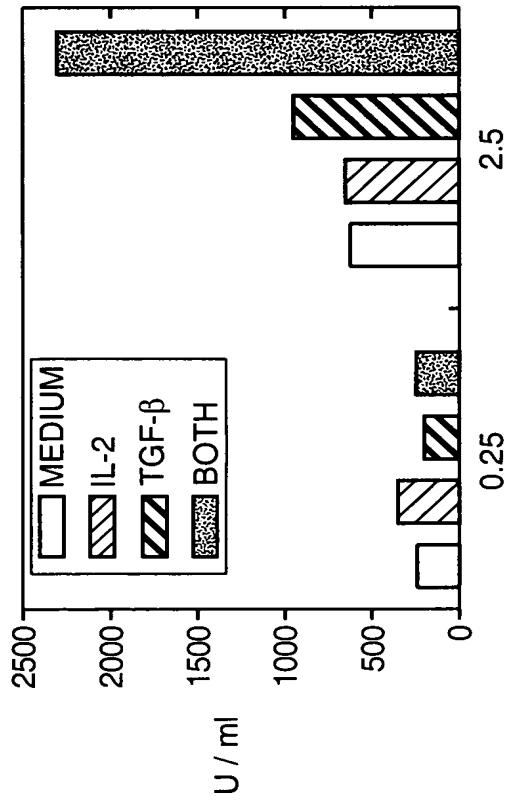


FIG._6A

IL-10

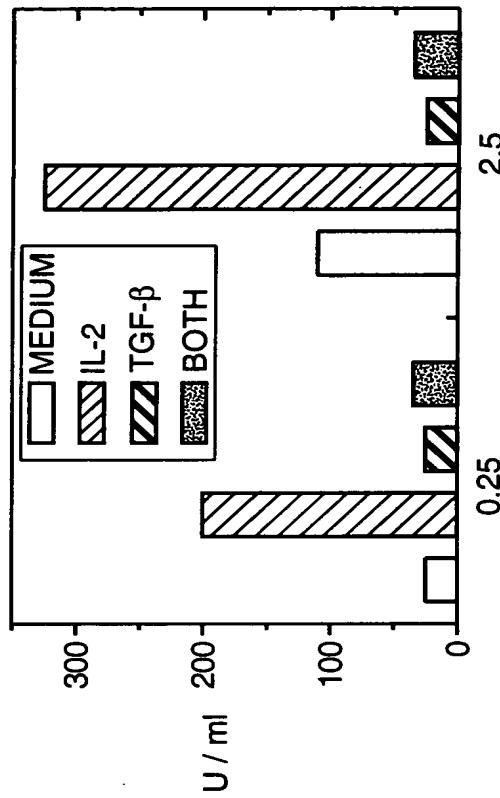


FIG._6B

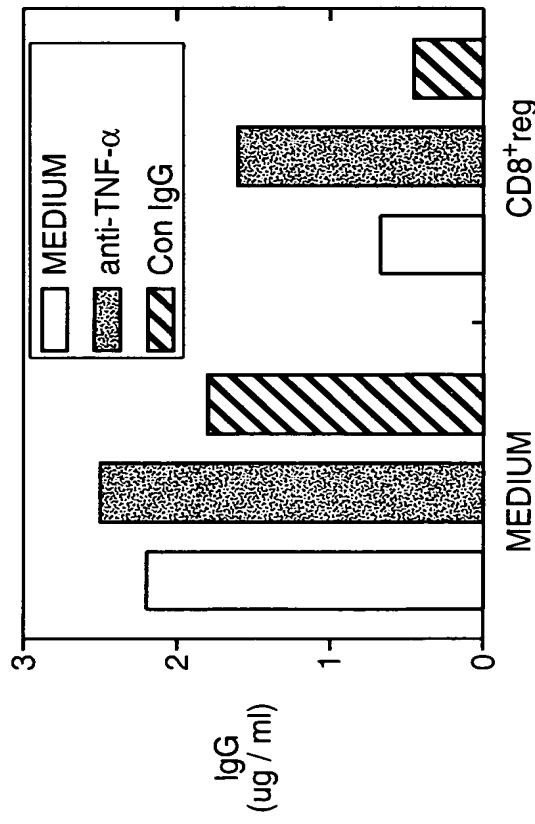


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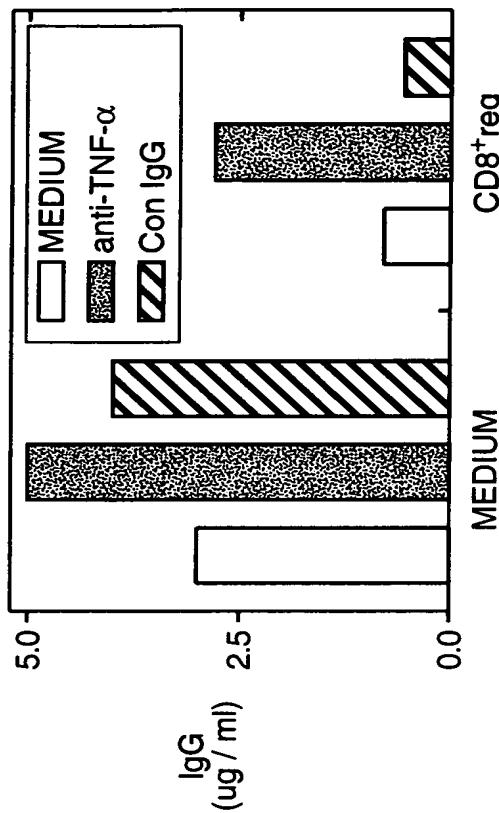
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TNF- α is an essential intermediate for the generation of regulatory T cells by TGF- β

Exp 1



Exp 2



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FIG._7A

FIG._7B



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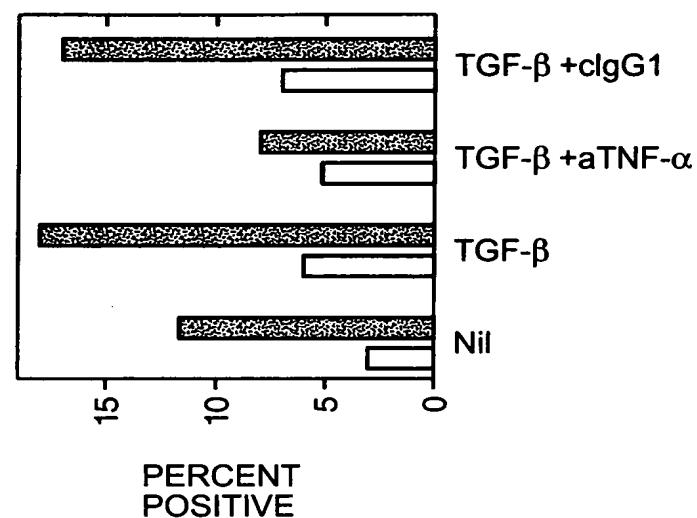
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Enhanced production of Th1 cytokines by TGF- β primed T cells is dependent upon TNF- α

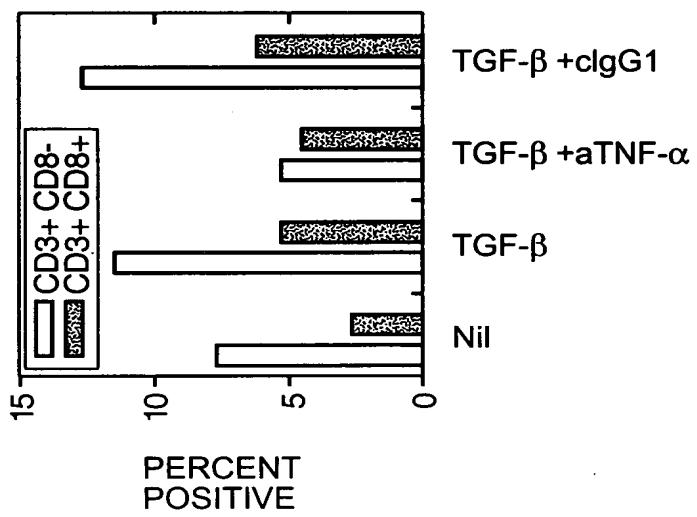
Enhanced production of Th1 cytokines by TGF- β primed T cells is dependent upon TNF- α

Enhanced production of Th1 cytokines by TGF- β primed T cells is dependent upon TNF- α

IFN γ



IL-2



TNF- α

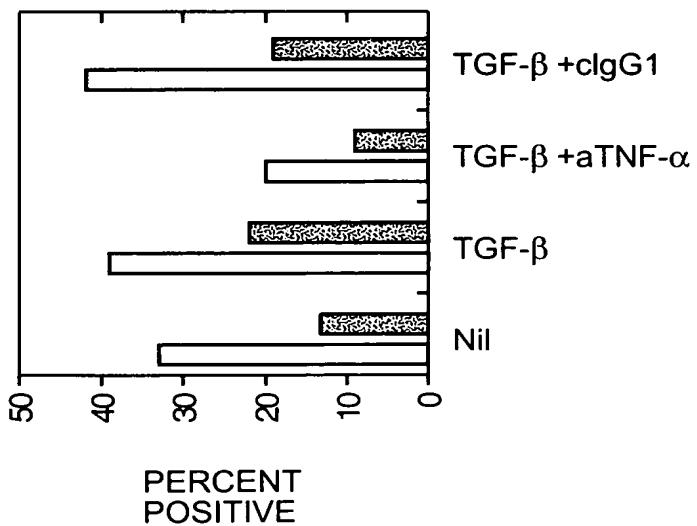


FIG._8A

FIG._8B

FIG._8C



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Effect of TGF- β on various
T cell subsets in
the generation of
suppressors
of cytotoxic T cell activity

Effect of TGF- β on various
T cell subsets in
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Effect of TGF- β on various
T cell subsets in
the generation of
suppressors
of cytotoxic T cell activity

CD8 CD45RA

CD4 CD45RO

CD4 CD45RA

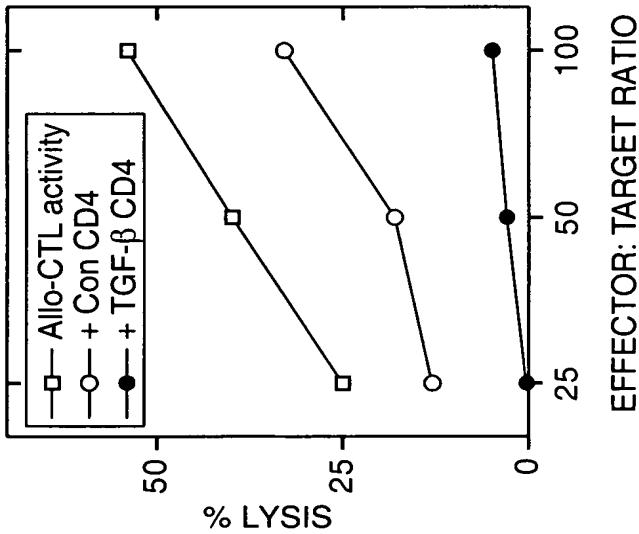
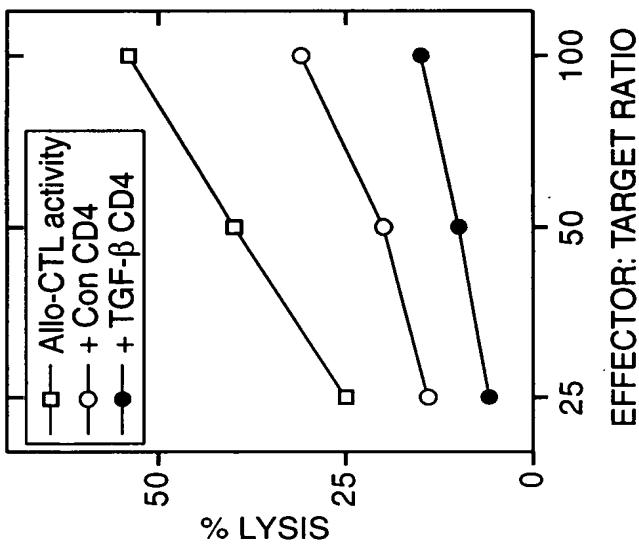
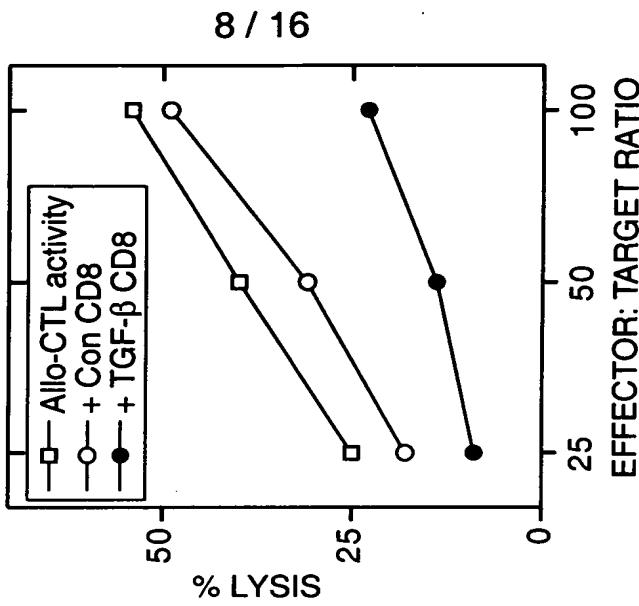


FIG._9A

FIG._9B

FIG._9C

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Effect of CD4 cells primed with TGF- β (CD4reg) on Allo-CTL activity

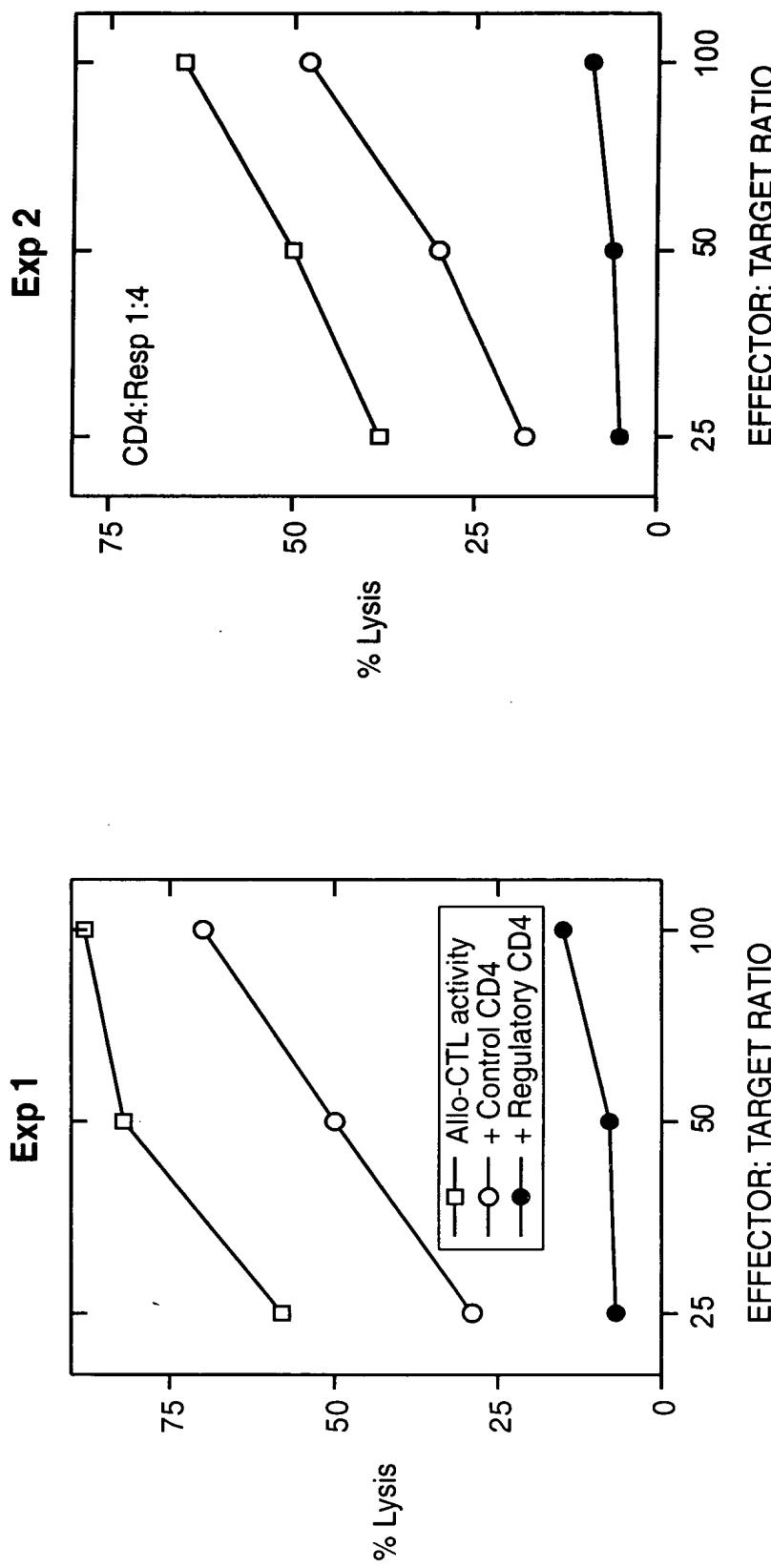


FIG._ 10A

FIG._ 10B



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CD4 regulatory T cells require
cell contact to inhibit
cytotoxic T lymphocyte activity

With Effector Cells

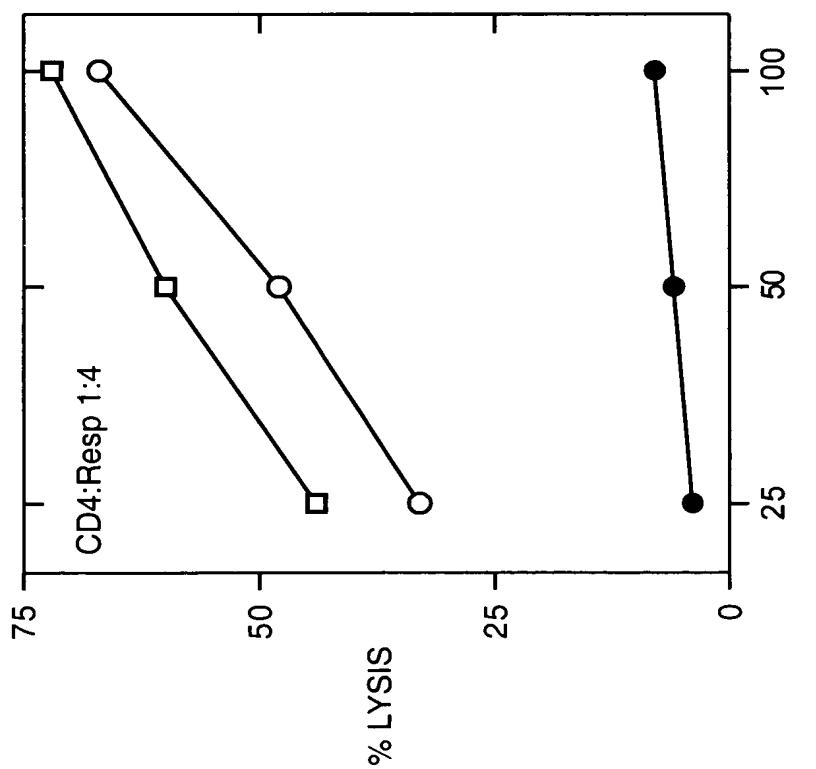


FIG._ 11A

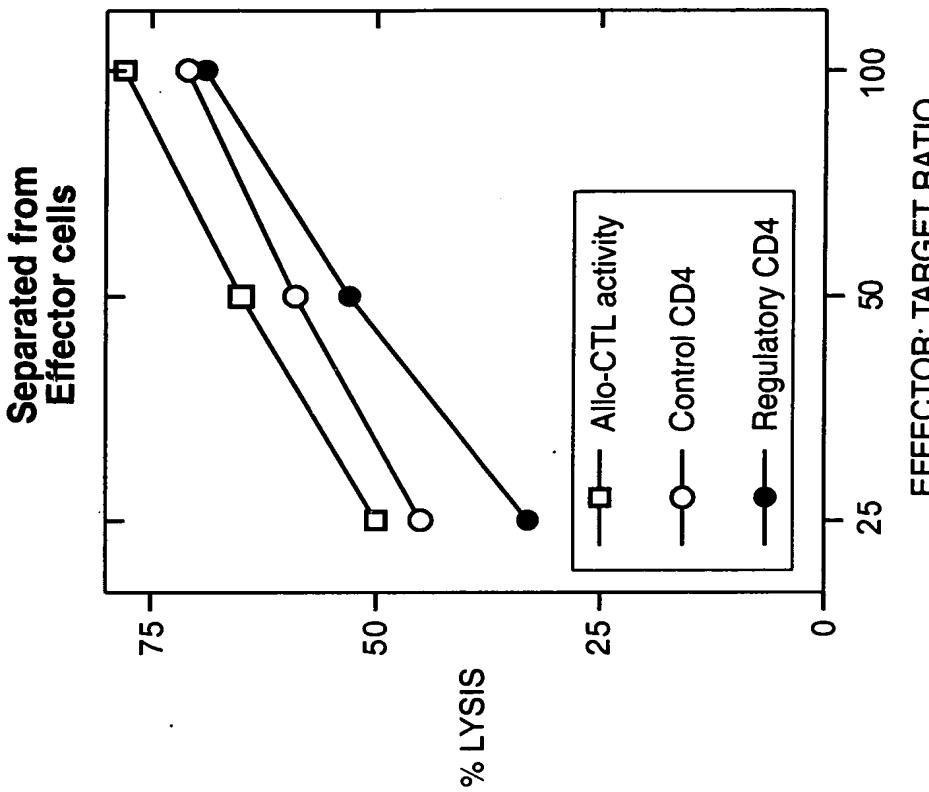


FIG._ 11B



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Suppression of lymphocyte proliferation by regulatory CD4+ T cells induced with TGF- β

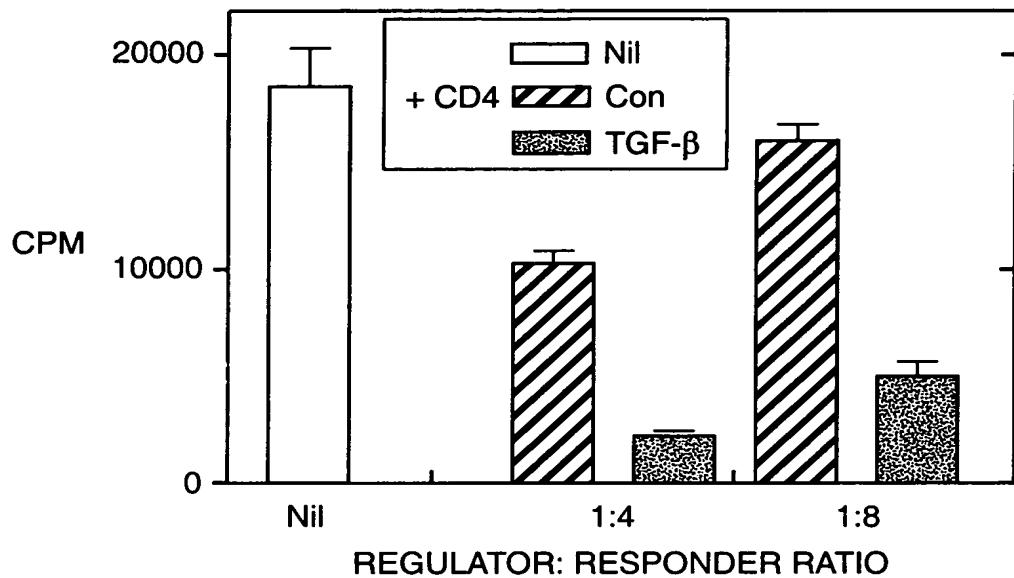


FIG.. 12

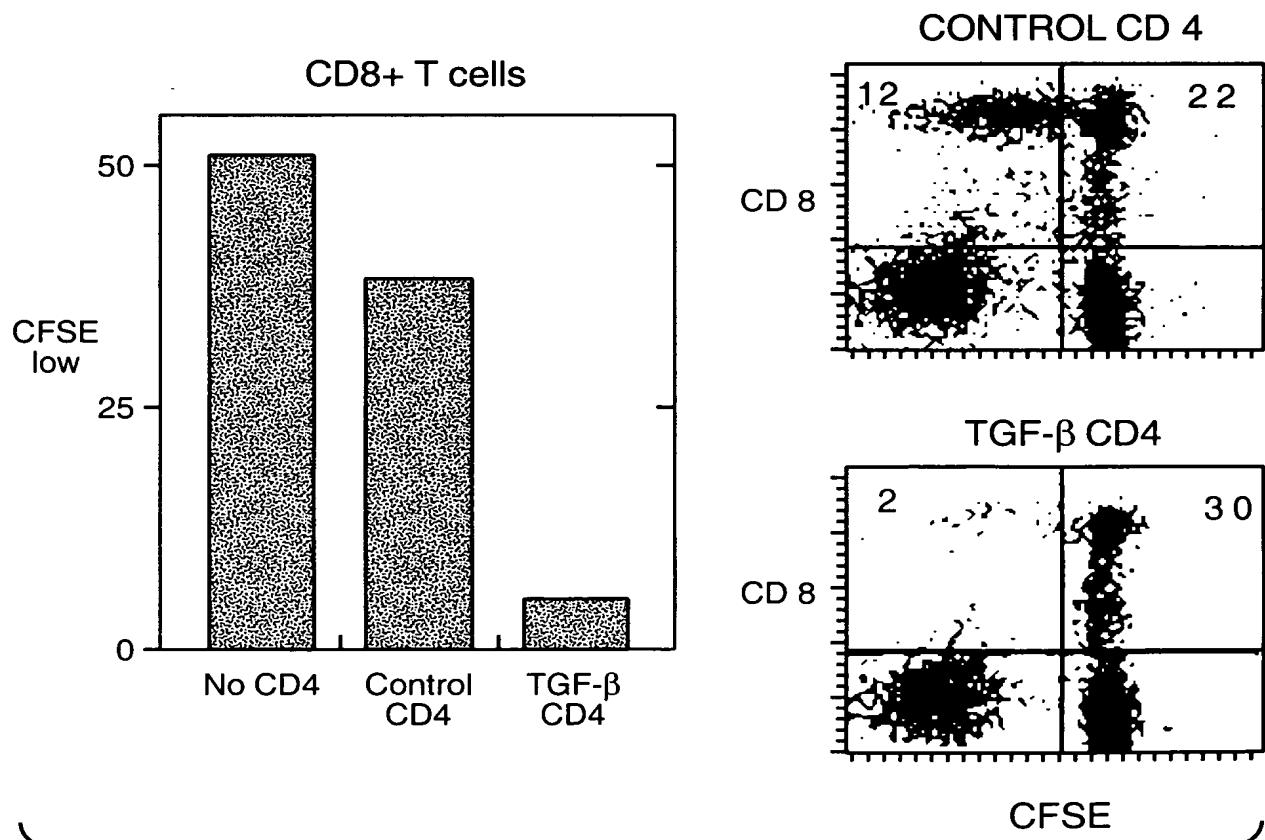


FIG.. 13

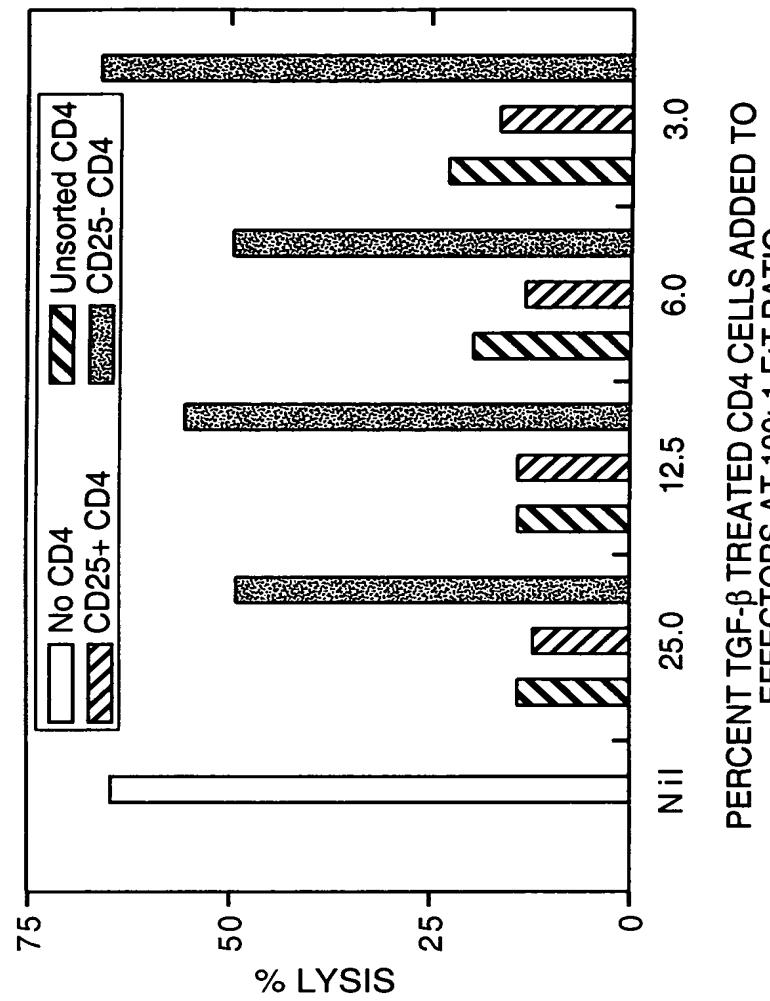


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Regulatory CD4+ T cells are CD25+ and are extremely potent



Regulatory CD4+ T cells are CD25+ and are extremely potent

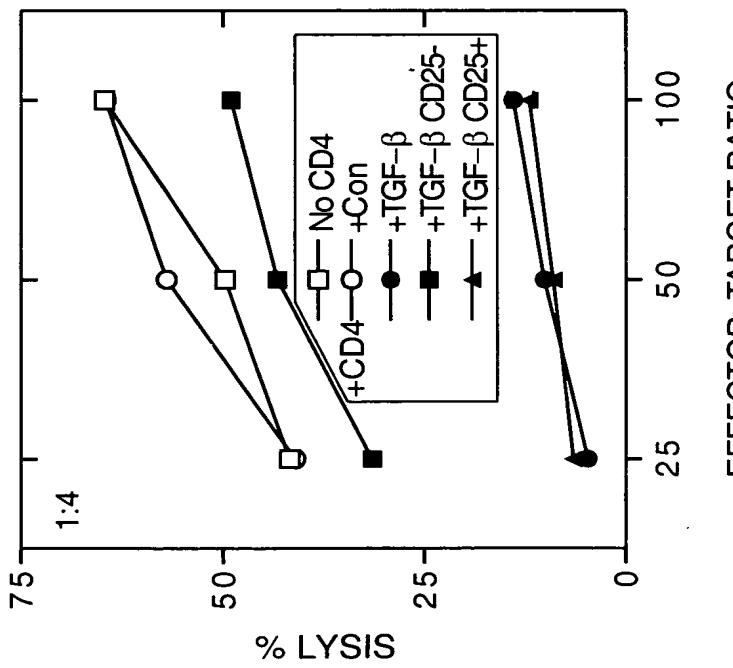


FIG._ 14A

FIG._ 14B



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Active TGF- β

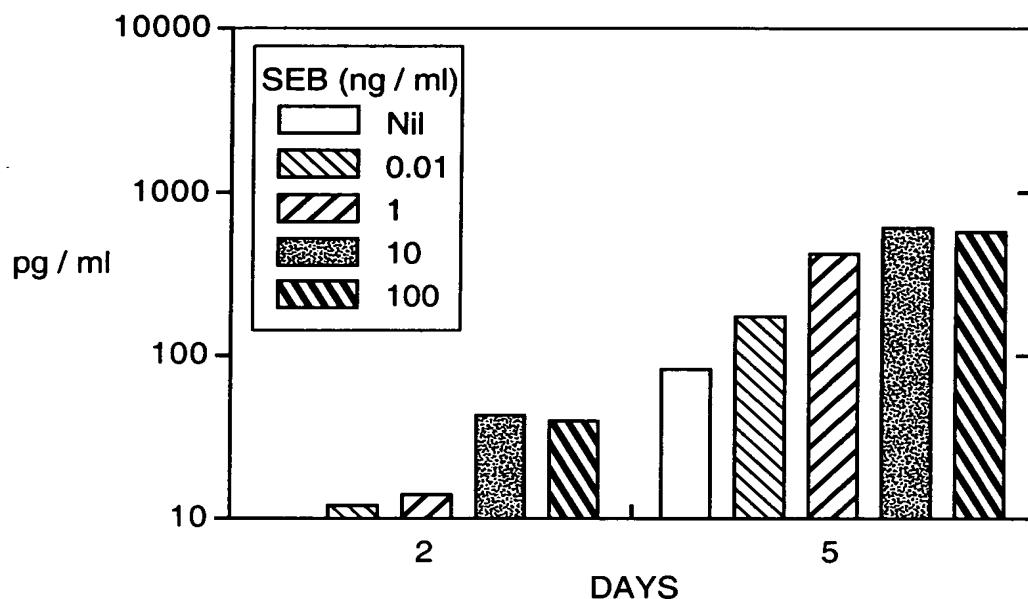


FIG._15A

Total TGF- β

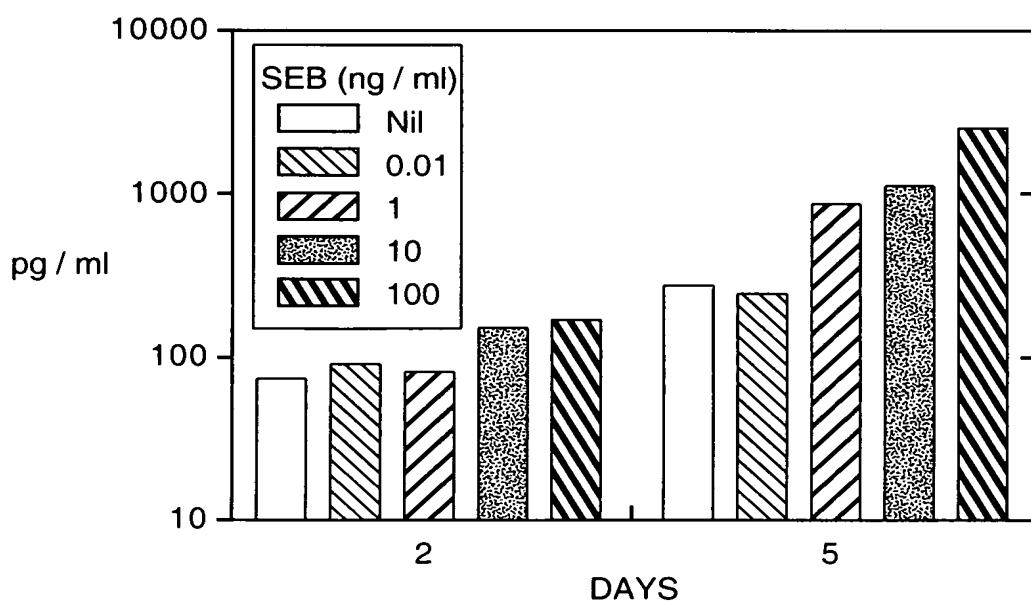


FIG._15B



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Repeated stimulation of CD4+ T cells with low dose SEB
enables them to produce immunosuppressive levels of TGF- β

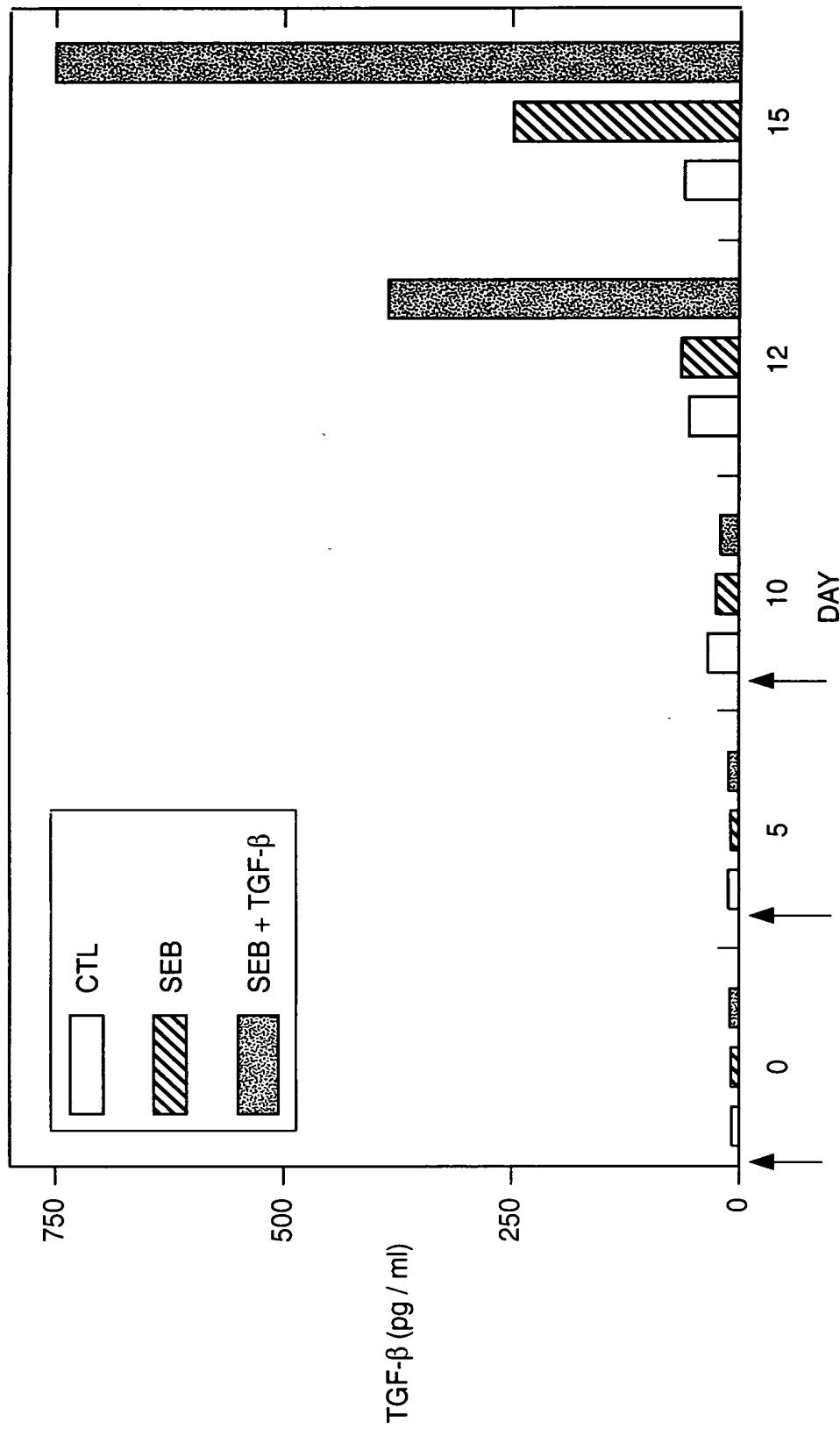
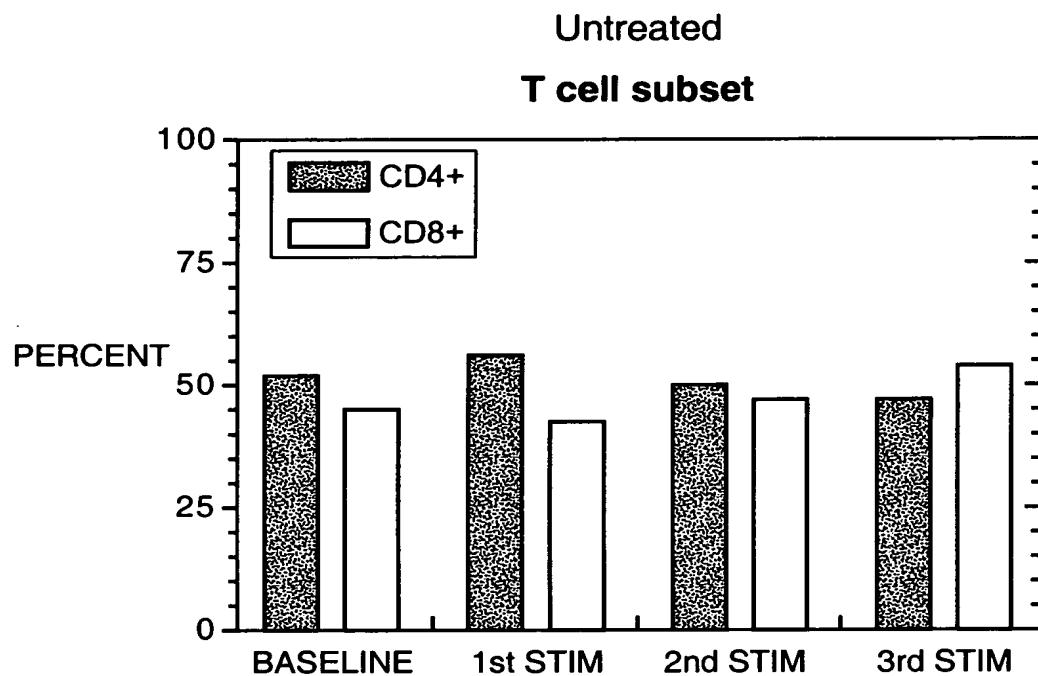
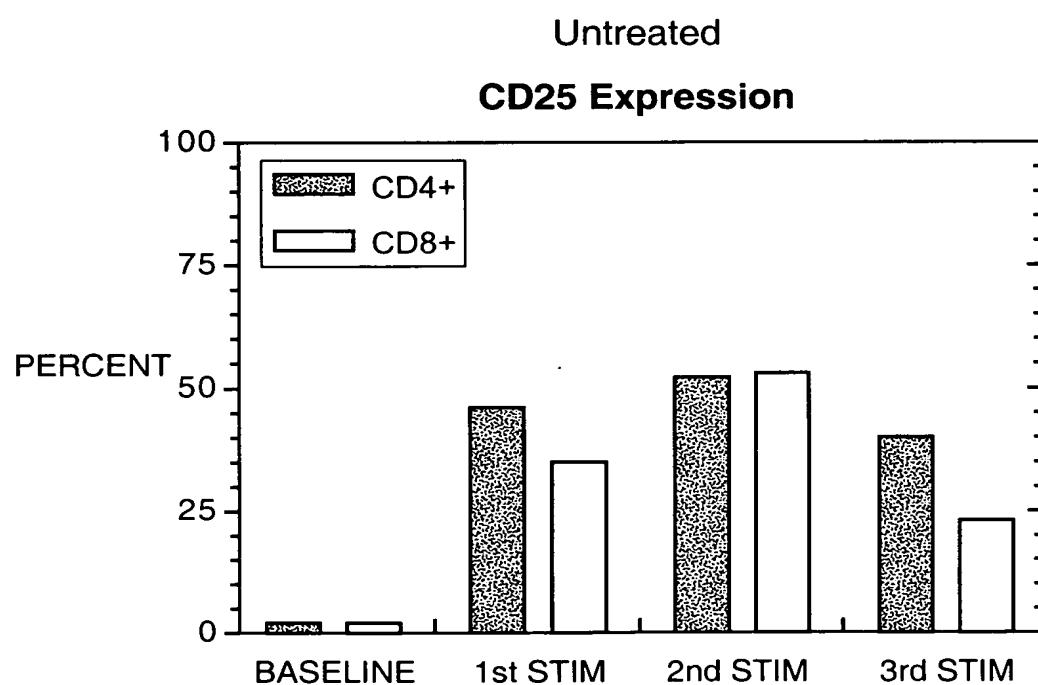


FIG._16



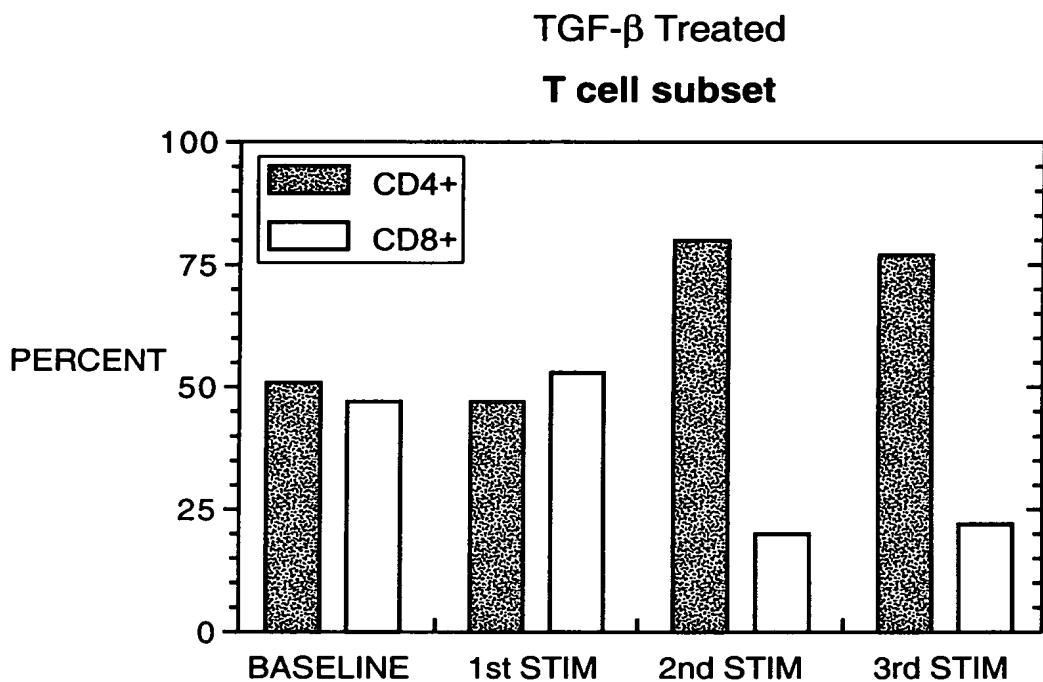
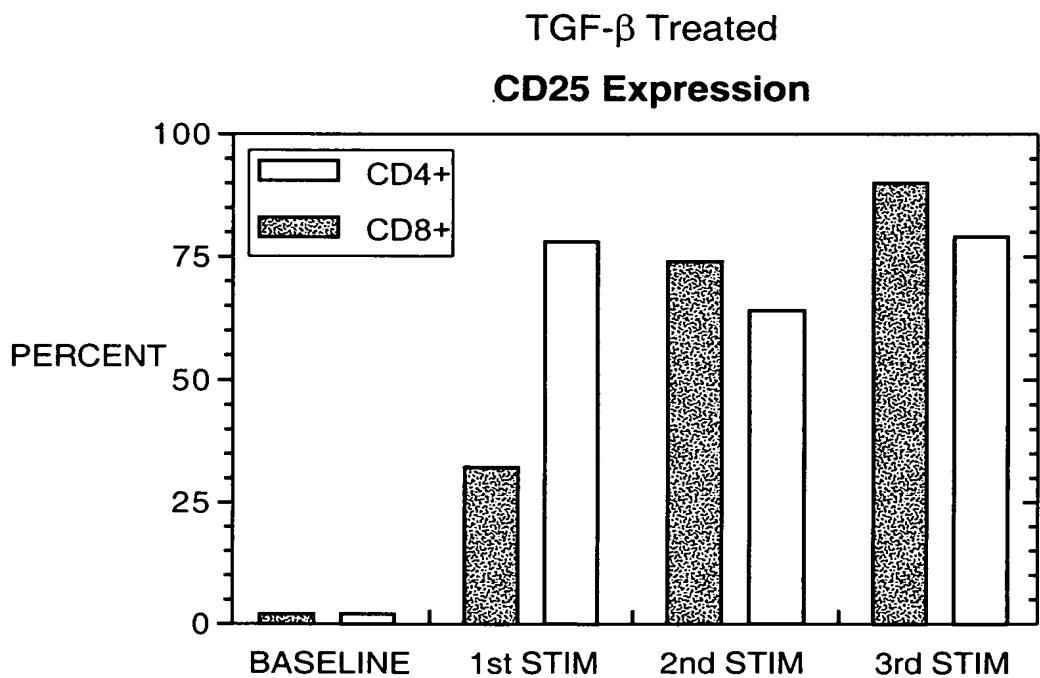
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**FIG._ 17A****FIG._ 17B**



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**FIG._ 17C****FIG._ 17D**